

What is claimed is:

✓ 1. A recombinant protein comprising the sequence of SEQ ID

NO:1.

✓ 2. A recombinant protein having the sequence of SEQ ID NO:1.

3. A DNA sequence encoding the protein according to claim 1.

4. A DNA sequence encoding the protein according to claim 2.

✓ 5. A vector for expression of the protein comprising SEQ ID NO:1,

said vector comprising the DNA sequence according to claim 3 controlled by a suitable promoter.

✓ 6. A reagent kit characterized in that it includes a protein according to claim 1.

✓ 7. An immunoenzymatic assay for detecting the presence of antibodies to the equine infectious anemia virus recombinant p26 capsid antigen in equine test samples comprising:

(a) binding a protein according to claim 1 to a solid support

(b) reacting the bound protein with a test sample of serum

(c) removing the unbound test sample

(d) reacting the bound test antibody specific to the equine anemia infectious virus p26 capsid antigen in the test sample

(e) measuring the amount of bound antibody specific to the equine anemia infectious virus p26 capsid antigen in the test sample.

8. The immunoassay according to claim 7, wherein said label is selected from the group consisting of an enzyme, a fluorescent marker, and avidin-biotin.

9. The immunoassay according to claim 7, wherein said solid support is selected from the group consisting of polystyrene or polypropylene microtiter wells, polyethylene, polypropylene, polycarbonate, polyvinyl, polystyrene, or glass test tubes, capillary tubes, dipsticks, glass beads; latex beads; nitrocellulose, nylon; cellulose, polycrylamide, cross-linked dextran and microcrystalline glass.